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### HPLC CALIBRATION CHECK CRITERIA POLYNUCLEAR AROMATIC HYDROCARBONS (EPA 8310)

Per Method 8000B of SW-846, the percent recovery of the calibration checks for HPLC analyses must be within  $\pm 15\%$  from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within  $\pm 15\%$  recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the  $\pm 15\%$  criteria, however the average % recovery of all compounds in the calibration check solution was within  $\pm 15\%$ , thus meeting the overall calibration check criteria.

<u>Compound</u>	<u>Footnote</u>	<u>Calibration Check</u> <u>% Recovery</u>	<u>Lab Number</u>	<u>Batch</u>
Benzo(b)fluoranthene	1	117.73%	PLF0033-01RE1	P2F1317
Benzo(g,h,i)perylene	1	124.17%	PLF0033-01RE1	P2F1317
Dibenz(a,h)anthracene	1	122.28%	PLF0033-01RE1	P2F1317
Benzo(b)fluoranthene	1	117.73%	PLF0033-02RE1	P2F1317
Benzo(g,h,i)perylene	1	124.17%	PLF0033-02RE1	P2F1317
Dibenz(a,h)anthracene	1	122.28%	PLF0033-02RE1	P2F1317

Footnotes:

- 1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.
- 2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

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